

## CLAIMS

What is claimed is:

1. A method of scanning, comprising:

calibrating an initial gain for data from a photosensor, before scanning;  
obtaining image data from the photosensor;  
calibrating a final gain for the photosensor, after obtaining the image data;  
and  
using the initial gain and the final gain to modify the image data from the  
photosensor.

2. The method of scanning as in claim 1, the step of calibrating an initial gain  
further comprising:

scanning a first calibration strip.

3. The method of scanning as in claim 2, the step of calibrating a final gain further  
comprising:

scanning a second calibration strip.

4. The method of scanning as in claim 3, the photosensor being a first photosensor,  
the method further comprising:

scanning a third calibration strip, with a second photosensor, during the step  
of obtaining image data;  
calibrating a gain for the second photosensor; and  
using the gain for the second photosensor, and the initial gain, and the final  
gain, to modify the image data from the first photosensor.

5. The method of scanning as in claim 3, the photosensor being a first photosensor, the method further comprising:

scanning a portion of a moving carriage, with a second photosensor, during the step of obtaining image data;

calibrating a gain for the second photosensor; and

using the gain for the second photosensor, and the initial gain, and the final gain, to modify the image data from the first photosensor.

6. The method of scanning as in claim 2, the step of calibrating a final gain further comprising:

scanning the first calibration strip a second time.

7. An apparatus for image scanning, comprising:

a platen for receiving an image to be scanned, the platen having a first end, and a second end opposite the first end, wherein a direction of scanning is from the first end to the second end;

a first calibration strip, near the first end; and

a second calibration strip, near the second end.

8. The apparatus of claim 7, further comprising:

a third calibration strip, along a side connecting the first end to the second end.

9. The apparatus of claim 7, further comprising:

a calibration tab on a carriage.

a lamp for illuminating the image to be scanned, the lamp having an external heating system that keeps the lamp warm when the lamp is not illuminated.